ABSTRACT

A device for determining the absolute angular position of a turning device with respect to a fixed structure, including an encoder provided with a main multipolar track and a multipolar track called "top turn", said top turn track includes M singularities, a means for measuring the angular position of the turning device with an angular uncertainty ɜ T, in which the M singularities are each representative of an absolute angular position of the turning device and are distributed over the top turn track with an angular separation between each one greater that 2 ɜ T. The invention also concerns a steering system for automobiles as well as a bearing including such a device.